ACTION PLAN

2020-21

Contact Details:

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REVISED PROFORMA FOR ACTION PLAN 2020-2021

1. Name of the KVK: JAGATSINGHPUR

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2. Name of host organization : OUAT, Bhubaneswar

Address	Telephone		E mail
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OUAT, Bhubaneswar, Pin-751003, Odisha	(0674) 2392677	(0674) 2391780	registrarouat@gmail.com

3. Training programme to be organized (January 2020 to December 2020)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Weed Management	Chemical weed management in Greengram	1	1	OFC	January last week									30
Crop Management	Summer ploughing & its importance	1	1	OFC	February last week									30
Crop Management	Crop residue management	1	1	OFC	March first week									30
Soil Management	Importance of soil testing	1	1	OFC	April second week									30
Problem soil Management	Green manuring in rice	1	1	OFC	May second week									30
Crop management	Seed treatment in rice	1	1	OFC	June first week									30
Crop management	Line transplanting un rice	1	1	OFC	June first week									30
Weed Management	Weed management in rice	1	1	OFC	July last week									30
Water management	Management of water submergence in rice	1	1	OFC	August first week									30
Weed management	weed management in Sugarcane	1	1	OFC	September last week									30

Weed Management	Weed management in oilseed crops	1	1	OFC	October third week									30
Crop Management	Seed treatment in pulse and oilseed crops	1	1	OFC	November second week									30
Crop Management	Management of rice fallow area	1	1	OFC	December last week									30
Nutrient management	Production technology of Greater yam	1	1	OFC	First week of April									30
Integrated crop management	Nutrient management in Yard long bean	1	1	OFC	Last week of May									30
Nutrient management	Method of application of micro-nutrient in Bitter gourd	1	1	OFC	First week of June									30
Varietal evaluation	Okra hybrids with their characteristics.	1	1	OFC	First week of July									30
Integrated crop management	Planting technique of Arecanut	1	2	ONC	Last week of July									30
Nutrient management	Nutrient management in bearing coconut.	1	1	OFC	First week of August									30
Nutrient management	Nutrient management in Chili	1	1	OFC	Last week of August									30
Varietal evaluation	HYV of Onions with their characteristics.	1	1	OFC	First week of September									30
Nutrient management	Technique of Nursery raising in onion.	1	1	OFC	First week of October									30
Nutrient management	Method of Application of Arka Microbial Consortium in cabbage	1	1	OFC	First week of November									30
Nursery raising	Technique of raising vegetable seedlings using pro-trays.	1	1	OFC	First week of December									30
Integrated crop management	Planting technique of Papaya & Drumstick.	1	2	ONC	Last week of December									30
Nutrient management	Use of secondary and	1	1	OFC	1st week April									30

	micro nutrients in cucurbit crops													
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	1	OFC	1st week May									30
Nutrient management	Technique of soil sample collection	1	1	OFC	4rd week May									30
Nutrient management	Management of micronutrient deficiency in rice crop	1	1	OFC	2nd week July									30
Nutrient management	Use of secondary nutrient in cole crops	1	1	OFC	1st week November									30
Nutrient management	Use of micro nutrient in cole crops	1	1	OFC	1st week November									30
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	1	OFC	1st week July									30
Nutrient management	Use of Biofertilizer in pulse crop	1	1	ONC	1st week December									30
Nutrient management	Use of secondary and micronutrient management in tomato crop	1	1	ONC	3rd week November									30
Nutrient management	Technique of soil sample collection	1	1	OFC	3rd week December									30
Nutrient management	Management of acid soil	1	1	OFC	2nd week June									30
Nutrient management	Management of saline soil	1	1	OFC	2nd week January									30
Nutrient management	Methods of compost preparation	1	1	ONC	2nd week October									30
Fishery	Pre-stocking management in fish culture pond	1	1	OFC	first week July									30
Fishery	Integrated fish farming1	1	1	OFC	First week of August									30
Fishery	Nursery rearing method in fish	1	1	OFC	Second week of									30

	culture pond				August									
Fishery	Culture practice of Jayanti Rohu along with IMC	1	1	OFC	last week of September									30
Fishery	Culture practice of Amur carp along with IMC	1	1	OFC	first week of November									30
Fishery	Liming and manuring in fish culture pond and its importance	1	1	ONC	Last week of July									30
Fishery	Culture of Freshwater prawn along with mix carp	1	1	OFC	First week of November									30
Fishery	Culture of catfishes in backyard pond	1	1	OFC	First week of October									30
Fishery	Yearling culture and its benefits in fish farming	1	1	OFC	Second week of December									30
Insect management	Seed and seedling treatment for pest and disease management in Rice	1	1	OFC	May 2nd week									30
Insect management	Management of Leaf folder in rice	1	1	OFC	June 1st week									30
Insect management	Application of Bio intensive measures for control of rice pests	1	1	OFC	June last week									30
Insect management	Management of white fly in Okra	1	1	OFC	July 2nd week									30
Disease management	Management of Sheath Blight in Riice	1	1	OFC	August 2nd week									30
Insect management	Management of white fly in Okra	1	1	OFC	Sept 2nd week									30
Disease management	Management of Phomosis blight in brinjal	1	1	OFC	Octo.3rd week									30
Disease	Management of	1	1	OFC	Octo.3rd									30

management	Neck blast in rice				week									
Insect management	Use of control measures against leaf minor in tomato	1	1	OFC	Nov. 1st week									30
Insect management	Application of chemicals for vector control in green gram	1	1	OFC	jan 1st week									30
Insect management	Application of chemicals for vector control in Brinjal	1	1	OFC	jan 2nd week									30
Insect management	Bio agent release and their role against brinjal fruit & shoot borer	1	1	OFC	Feb 2nd week									30
Insect management	Use of control measures against leaf minor in tomato	1	1	OFC	Mar. 1st week									30
Poultry farming	Nutritional deficiency diseases of poultry birds	1	2	OFC	June 1st week									30
Dairy farming	Management of Dairy cows in post-partum period	1	2	OFC	July 3rd week									30
Dairy Farming	Ration Balancing in Dairy Cows	1	1	OFC	August 2nd Week									30
Sheep Management	Feeding and disease managent in Sheeps: Kenrapara breed	1	2	OFC	August 3rd week									30
Dairy farming	Management practices for rearing of female calves.	1	1	OFC	September 1st week									30
Feed management	Preparation of feed from non-conventional feed sources: Silage making, UMMB preparation, Paddy straw	1	2	ONC	September 3rd week									20

	enrichment													
Poultry farming	Duck farming.	1	1	OFC	October 1st week									30
Poultry farming	Vaccination and disease management in poultry birds	1	1	OFC	October 4th week									30
Poultry farming	Balanced feeding of birds in backyard system of rearing	1	1	OFC	November 2nd week									30
Fodder cultivation	Fodder cultivation: Hybrid napier, Maize, Guinea grass, cowpea, rice bean.	1	2	ONC	December 1st week									30
Goat management	Feeding and Housing management in goat farming.	1	1	OFC	January 2nd week									30
Goat management	Vaccination and diseases management in goat farming.	1	1	OFC	February 2nd week									30
Drudgery reduction	Use of 4-row paddy drum seeder in paddy for drudgery reduction of farm women	1	1	OFC	July 2nd week									30
Mushroom Cultivation	Paddy straw mushroom cultivation by using loose straw by farm women	1	1	OFC	June 2nd week									30
Mushroom Cultivation	Cultivation practices of Milk mushroom	1	1	OFC	June 4th week									30
Value addition	Preparation of value added products from Oyster mushroom	1	1	OFC	December 4th week									30
Mushroom Cultivation	Caning & packaging of	1	1	OFC	August 2nd week									30

	Paddy straw mushroom													
Nutritional Garden	Planning,layout and designing of nutritional garden	1	1	OFC	May 2nd week									30
Post Harvest management	Preparation of value added products from seasonal fruits and vegetables	1	1	OFC	November 3rd week									30
Mushroom Cultivation	Using diff. substrates for Oyster mushroom cult.	1	1	OFC	November 1st weeek									30
Drudgery reduction	Farm implements used in paddy for drudgery reduction of farmwomen	1	1	OFC	November 3rd weeek									30
Nutrient management	Process of minimization of nutrient loss in food processing	1	1	OFC	December 1st week									30
Nutrient management	Designing and development for high nutrient efficiency diet	1	1	OFC	August 4th week									30
Nutrient management	Method of preparation of low cost diet for farm family	1	1	OFC	3rd week of July									30

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Seed Production	Pulse seed production	1	2	ONC	November First week									20
Nursery Management	Vegetable seedling raising technique using pro-trays.	1	2	ONC	First week of January									20
Employment Generation	Entrepreneurship development through Bee Keeping	1	5	ONC	Second week of March									20
Employment Generation	Entrepreneurship development through Production of Organic inputs	1	5	ONC	Second week of August									20
Employment Generation	Entrepreneurship development through Nursery business	1	5	ONC	Second week of March									20
Vermicomposting	Technique of Vermicompost production	1	3	ONC	3rd week of August									20
Ornamental fishery	Culture practice and Breeding methods of Ornamental fish.	1	2	ONC	First week of September									20
Poultry Farming	Brooding management in chicks	1	3	ONC	December 2nd week									20
Income Generation	Spawn culture preparation	1	4	ONC	September 3rd week									20
Value addition	Preparation of value added products from Oyster mushroom	1	4	ONC	December 3rd week									20

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	Integrated farming system for livelihood security	1	2	ONC	November last week									20
Hi-tech Horticulture	Protected cultivation of High value vegetable crops.	1	2	ONC	First week of February									20
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	2	ONC	4th week of June									20
Insect and disease management	Safe use of pesticides	1	2	ONC	March 1st week									20
Dairy farming	Antibiotic resistance in livestock and poultry	1	2	ONC	January 3rd week									10
Dairy farming	Parasitic disease management in cows.	1	1	ONC	March Second week									10
Gender Mainstreaming	Gender mainstreaming through SHGs	1	1	ONC	August 1st week									10

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3												90
Resource Conservation Technologies	3												90
Cropping Systems													
Crop Diversification	1												30
Integrated Farming													
Water management	1												30
Seed production													
Nursery management	1												30
Integrated Crop Management	2												60
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2												60
TOTAL	**13**												**390**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	4												120
Water management													
Enterprise development	1												30
Skill development													
Yield increment	2												60
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1												30
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any													
TOTAL	**8**												**240**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1												30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
d) Plantation crops													
Production and Management technology	2												60
Processing and value addition													
Others, if any													
TOTAL	**2**												**60**
e) Tuber crops													
Production and Management technology	1												30
Processing and value addition													
Others, if any													
TOTAL	**1**												**30**
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	05												150
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	02												60
Management of Problematic soils													
Micro nutrient deficiency in crops	03												90
Nutrient Use Efficiency													
Soil and Water Testing	03												90
Others, if any													
TOTAL	13												390
IV. Livestock Production and Management													
Dairy Management	03												90
Poultry Management	04												120
Piggery Management													
Rabbit Management													
Disease Management													
Feed management	02												40
Production of quality animal products													
Others, if any (Goat farming)	03												90
TOTAL	11												340
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	01												30
Design and development of low/minimum cost diet	01												30
Designing and development for high nutrient efficiency diet	01												30
Minimization of nutrient loss in processing	01												30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	02												60
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	02												60
Rural Crafts													
Capacity building													
Women and child care													
Others, if any(Mushroom cultivation)	04												120
TOTAL	12												360
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	9												270
Integrated Disease Management	3												90
Bio-control of pests and diseases	1												30
Production of bio control agents and bio pesticides	0												0
Others, if any	0												0
TOTAL	13												390
VIII. Fisheries													
Integrated fish farming	1												30
Carp breeding and hatchery management													
Carp fry and fingerling rearing	2												60
Composite fish culture & fish disease	4												150
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1												30
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition													
Others, if any	1												30
TOTAL	9												270
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	80												2400

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1												20
Bee-keeping	1												20
Integrated farming													
Seed production	1												20
Production of organic inputs	2												40
Planting material production	1												20
Vermi-culture													
Sericulture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1												20
Training and pruning of orchards													
Value addition	1												20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												20
Ornamental fisheries	1												20
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (Floriculture)													
TOTAL	10												200

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1												20
Integrated Pest Management	1												20

Integrated Nutrient management	1												20
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												20
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	2												40
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs	1												20
Crop intensification													
Others if any													
TOTAL	7												140

Frontline demonstration to be conducted*

FLD-1

Crop: Rice
Thrust Area: Problem soil
Thematic Area: Saline soil management
Season: Kharif 2020
Farming Situation: Irrigated Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Dhaincha	2	Green manuring through *Sesbania aculeate* in paddy to reduce the salinity problem **(RRTTSS, Motto, 2002)**	Initial Soil test value of pH and EC and SOC. No. of tillers m2, No. of filled grain per panicle, 1000 grain weight (gm)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Demonstration of green manuring in rice	01	F & FW	01	OFF									50

Training	Green manuring in rice	01	F & FW	01	OFF									30

FLD-2

Crop: Rice
Thrust Area: Improper nutrient Management
Thematic Area: Nutrient management
Season: Kharif 2020
Farming Situation: Rainfed- Lowland/medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	2	Use of NRRI developed LCC for real time Nitrogen Management **(NRRI, Cuttack, 2016)**	Plant Height, Tillers/m^2, Grain yield, B:C ratio												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of real time nitrogen management by LCC in	01	F & FW	01	OFF									50

	rice													
Training	Nitrogen management in rice	01	F & FW	01	OFF									30

FLD-3

Crop: Sugarcane
Thrust Area: Yield loss due to high weed infestation
Thematic Area: Weed Management
Season: Rabi 2020-21
Farming Situation: Irrigated-medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Sugarcane	2	Pre -emergence application of metribuzin @ 1.25 Kg a.i/ha followed by one hand weeding at 60 days after planting **(Source: AICRP on Sugarcane (OUAT), 2016**	Weed density, WCE (%), Weight of One Cane (kg), Yield (q/ha), B:C Ratio												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of weed management in Sugarcane	01	F & FW	01	OFF									50
Training	weed management in Sugarcane	01	F & FW	01	OFF									30

FLD-4

Crop: Green gram
Thrust Area: Low yield due to weed dynamics
Thematic Area: Weed management
Season: Rabi 2020-21
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Green gram	2	Post emergence application of Quizalofop ethyl 5 EC @ 50 ml/ha at 20-25 DAS **(AICRP on MULLaRP, Berhampur, Odisha, 2014)**	Weed flora composition, Weed control efficiency, pod wt/plant, grain weight /plant												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on Chemical	01	F & FW	01	OFF									50

	weed management in Greengram													
Training	Chemical weed management in Greengram	01	F & FW	01	OFF									30

FLD-5

Crop: **Yard Long Bean**
Thrust Area: Integrated Crop Management
Thematic Area: Varietal Introduction
Season: Kharif -2020
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety/ Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Yard long bean	1	Cultivation of Yard long bean variety "Arka Mangala" **(IIHR, Banglore, 2010)**	Pod length (cm), No. of pods/ plant, Pod yield/ plant.	Yard long bean variety "Arka Mangala"											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Yard Long Bean variety "Arka Mangala" for higher yield	01	F & FW	01	OFF									50
Training	Nutrient management	01	F & FW	01	OFF									30

	in Yard long bean													

FLD-6

Crop: Onion
Thrust Area: Low yield
Thematic Area: Varietal Introduction
Season: Rabi-2020-21
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety/ Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Onion var. Bhima Shakti	1	Demonstration on High yielding Onion variety Bhima Shakti **(DOGR, Pune,2009)**	Plant height (cm), No. of leaves/plant, Leaf length(cm), No. of roots/plant, yield/plant (g), yield (q/ha).	Onion Seedlings											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on High yielding Onion variety Bhima Shakti	01	F & FW	01	OFF									50
Training	High yielding varieties of Onion with	01	F & FW	01	OFF									30

	their characteristics													

FLD-7

Crop: Tomato
Thrust Area: Production of healthy seedlings to reduce mortality in main field.
Thematic Area: Nursery management
Season: Rabi 2020-21
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety/ Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato var. Arka Rakshak	1	Seedling raising technique in pro-trays with Arka Microbial Consortium (AMC) fermented Cocopeat. **(IIHR, Bengaluru, 2012)**	Seedling mortality %, height of seedlings (cm), No. of leaves per seedlings, Days to seedling readiness for transplanting, yield (q/ha).	Protrays, Cocopeat, AMC, Tomato Seedlings											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on Seedling	01	F & FW	01	OFF									50

	raising technique in pro-trays with Arka Microbial Consortium (AMC) fermented Cocopeat.													
Training	Seedling raising technique in pro-trays with Arka Microbial Consortium (AMC) fermented Cocopeat.	01	F & FW	01	OFF									30

FLD-8

Crop: Cabbage
Thrust Area: Low yield
Thematic Area: Nutrient Management
Season: Rabi 2020-21
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety/ Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Cabbage	1	Demonstration on on STBF+ seed treatment with Arka Microbial Consortium @10gm/100 gm seed +soil application with 5kg AMC mixed with 500kg FYM **(IIHR, Bengaluru, 2012)**	Plant height (cm), No. of leaves/plant, Head diameter (cm), Head wt.(g), yield (q/ha).	Arka microbial consortium powder, cabbage seedlings.											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on application of Arka Microbial Consortium in Cabbage.	01	F & FW	01	OFF									50
Training	Method of application of Arka Microbial Consortium in Cabbage.	01	F & FW	01	OFF									30

FLD-9

Crop: Rice
Thrust Area: Low yield due to no use of micronutrient particularly boron
Thematic Area: Soil health management
Season: Kharif 2020
Farming Situation: Rainfed low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	02	STBR NPK + Soil application B @1kg ha^{-1} as basal on paddy is recommended for acid soil (**AICRP on Micro-Secondary Nutrients & Pollutant Elements, Odisha, 2016)**	Initial and after harvest soil test value, No. of tillers/ m2, No. of filled grain per panicle, Sterility %, 1000 grain weight (gm)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants		

						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Management of micronutrient deficiency in rice crop	01		01	OFF									30
Field Day	Demonstration on boron application in low land rice	01		01	OFF									50

FLD-10

Crop: Greengram
Thrust Area: Lower yield due to improper nutrient management
Thematic Area: Soil health management
Season: Rabi' 2020-21
Farming Situation: Rainfed-medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Greengram	02	Soil test based NPK with FYM @ 5 t/ha and seed inoculation with Rhizobium @ 20g/kg seed and treatment with ammonium molybdate @ 10 g /25 kg of seed. **(AINP on Biodiversity and Biofertilizers, Odisha,**	Nodule no/plant, Nodules wt/plant, pod wt/plant, grain weight /plant												10

			2012)													

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Training	Use of bio fertilizer in pulse crop	01		01	OFF									30
Field day	Integrated nutrient management in green gram	01		01	OFF									50

FLD-11

Crop: Tomato
Thrust Area: No use of secondary nutrient in Sulphur
Thematic Area: Soil health management
Season: Rabi-2020-21
Farming Situation: Irrigated Upland

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1	Tomato	01	STBR NPK(120: 60:80 kg/ha) + FYM@10 t/ha + S @ 25 kg/ ha at the time of transplanting **(AICRP in vegetable crops, Bhubaneswar'2012-13)**	Initial and after harvest soil test value, No of fruits per plant, Fruit weight, Fruit yield per plant												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use of secondary and micronutrient management in tomato crop	01		02	OFF									30
Field day	Demonstration on sulphur application in tomato	01		01	OFF									50

FLD-12

Crop: Vermicomposting
Thrust Area: Organic manure
Thematic Area: Soil health management
Season: Rabi'2020-21
Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Vermicomposting	01	Composting cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8'x4'x2.5' with release of earthworm (variety: *Eisenia foetida*) @ 1.0kg per quintal of waste material.	Nutrient status of vermicompost ,												05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		

					On/Off	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Different methods of compost preparation & its application techniques	01		02	OFF									30
Skill Development	Vermicompost producer	01		25	ON									20
Field day	Demonstration of HDPE polybags for Vermicompost production	01		01	OFF									50

FLD-13

Crop/Enterprise: Goatary
Thrust Area: Feeding Management
Thematic Area: Livestock production management
Season: Rabi 2020-21
Farming Situation: Semi intensive goat rearing

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Goatary	20 units	Rearing of mother goats (Does) in last month of pregnancy and early lactation (during the period scarcity of green fodder i.e. lean season) by use of concentrate (Crude protein 16% -18 %) + gram straw ad libitum in the ratio of 50:50 **(ICAR CIRG 2017-18)**	Kid Survival rate, gain in boy weight in 1 month, 3 month												20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T

Training	Feeding and Housing management in goat farming.	01		01	OFF									30
Exposure/field day	Demonstration on Concentrate feeding in does for reducing kid mortality.	01		01	OFF									50

FLD-14

Crop/Enterprise: Dairy
Thrust Area: Feeding Management
Thematic Area: Livestock production management
Season: Kharif 2020
Farming Situation: Small Scale Dairying

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Dairy	20 units	Supplementation of bypass fat in ration of high yielding cows @ 15 gms/kg of milk production/day and mineral mixture @ 80gms/day/cow **(AICRP on NPIERPA at DUVASU, Mathura, 2017-18)**	Milk yield in kg during the period of treatment, milk Fat and SNF %, Milk price in Rs/kg												20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Ration balancing in dairy cows	01		01	OFF									30
Exposure/field day	Demonstration on bypass fat feeding in cows	01		01	OFF									50

FLD-15

Crop/Enterprise: Poultry
Thrust Area: Feeding Management
Thematic Area: Livestock production management
Season: Rabi 2020-21
Farming Situation: Semi intensive poultry farming

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Poultry	20 units	Rearing of Kadaknath Chicks with artificial heating, balanced feeding, vaccination and supplementary feeding after brooding **(CPDO, Bangalore and OUAT 2014)**	Mortallity rate, Body weight at 14 days, 28 days												20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants				
						SC	ST	Other	Total	

						M	F	M	F	M	F	M	F	T
Training	Balanced feeding of birds in backyard system of rearing	01		01	OFF									30
Exposure/field day	Artificial brooding management in Kadaknath chicks	01		01	OFF									50

FLD-16

Crop/Enterprise: Dairy
Thrust Area: Feeding Management
Thematic Area: Livestock production management
Season: Kharif 2020
Farming Situation: Small Scale Dairying

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration								
				Proposed	Actual	SC		ST		Others		Total		
						M	F	M	F	M	F	M	F	T
1.	Dairy	Feeding Management	Cultivation of Hybrid Napier CO-5 and fodder cow pea. **(NDDB 2015-16)**	5 units										

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Cultivation of fodder – Hybrid Napier, Maize, Guinea grass cow pea, rice bean	01		02	ON									20
Exposure/field day	Demonstration on cultivation of Hybrid Napier CO-5 and fodder cow pea.	01		01	OFF									50

FLD-17

Crop: Rice
Thrust Area: Low yield due to disease incidence
Thematic Area: Integrated Disease management
Season: Kharif, 20
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	2	Spraying of Trifloxystrobin 25% +Tebuconazole 50% 75 WG twice after 30 & 60 DAT **(NRRI ANNUAL Report -2014)**	Infected tillers /m^2												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of management sheath blight in rice	01	F & FW	01	OFF									50
Training	Management of SB in rice	01	F & FW	01	OFF									30

FLD-18

Crop: Okra
Thrust Area: Low yield due to YMV in Okra
Season: Kharif, 2020
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Green gram	2	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 5 @5ml/lit spray on appearance of white fly on YST + Spraying of Spiromesifen 1ml/lit **OUAT , SLREC Proc. , 2018 (RRTTS-DKL)**	Stage of the plant, Pest monitoring ,pest count/leaf/plant, no. of infested leaves /m2	Yellow sticky trap, Imidacloprid 600 FS, Spiromesifen											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of Integrated management of YMV in Okra	01	F & FW	01	OFF									50
Training	Management of YMV in Okra	01	F & FW	01	OFF									30

FLD-19

Crop: Brinjal
Thrust Area: Low yield due to Disease incidence
Thematic Area: Disease management
Season: Rabi 2020-21
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Brinjal	2	Seed treatment with Metalaxyl+ Mancozeb 72% WP @ 2gm/kg +soil application of carbofuran @ 1kg a.i./ha+ soil drenching of carbendazim 0.15%+ streptocycline 0.015% at 30 and 45 days after transplanting **OUAT , SLREC Proc. , 2018(RRTTS-DKL)**	Wilting Index, Yield and Economics												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of Integrated management of wilt complex of Brinjal	01	F & FW	01	OFF									50
Training	Integrated management of wilt complex of Brinjal	01	F & FW	01	OFF									30

FLD-20

Crop: Bitter gourd
Thrust Area: Fruit fly problem in bitter gourd
Thematic Area: Integrated Disease management
Season: Rabi, 2020-21
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Bitter gourd	2	Soil application of chlorpyriphos dust around the plant at 30 DAG, placement and spot application of Jaggery (100 g), dichlorvos (2 ml) and water (1 liter) poison bait (BAT), installation of cuelure @ 20/ha (MAT) and periodic removal and destructions of damaged fruits **OUAT RRTTS Ranital-2016**	Disease incidence % (PDI), Yield and Economics												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of Integrated management of Fruit fly in Bitter gourd	01	F & FW	01	OFF									50
Training	Integrated management of Fruit fly in Bitter gourd	01	F & FW	01	OFF									30

FLD-21

Crop/Enterprise Pisciculture
Thrust Area: Low Income
Thematic Area: Composite fish culture
Season: Kharif, 2020-21
Farming Situation: Pond based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Fish	2	Stocking Catla:JayantiRohu:Mrigal@ 3:4:3 along with fresh water prawn with stocking density @ 7000 fingerlings / Ha and 3000PL/Ha **CIFA, Bhubaneswar, 2016**	Growth rate , Plankton density, Alkalinity												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of "Jayanti Rohu"in composite carp culture along with Freshwater prawn for more yield	01	F & FW	01	OFF									50
Training	Culture practice of Jayanti Rohu along with IMCand Freshwater	01	F & FW	01	OFF									30

	prawn													

FLD-22

Crop/Enterprise Pisciculture
Thrust Area: Low Income
Thematic Area: Composite fish culture
Season: Kharif, 2020-21
Farming Situation: Pond based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Fish	2	Stocking of catla: rohu :mirgal:amur carp @ 3:4:1.5:1.5 @ 10000 nosfingerlimgs/ha **(NFDB News letter, 2016)**	Avg. wt. ,growth rate (%)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	FLD-19 Demonstration of Amur carp in composite pisciculture	01	F & FW	01	OFF									50
Training	Culture practice of Amur carp along with IMC	01	F & FW	01	OFF									30

FLD-23

Crop/Enterprise: Four row paddy drum seeder
Thrust Area: Women in Agriculture
Thematic Area: Drudgery reduction
Season:Rabi 2020-21
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Four row paddy drum seeder	1	This equipment is suitable for line sowing of sprouted paddy seeds in puddled field. It has 18 holes of 10 mm dia for dropping the sprouted seed in puddled field. Light in weight, and easy to transport and handle. Hill dropping of seed is achieved and continuous drilling is eliminated. **CAET, OUAT, Bhubaneswar, 2011**	Energy expenditure rate (KJ/min),WHR (beats/min),% reduction in drudgery, % increase in efficiency,												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of Four row paddy drum seeder in paddy for drudgery reduction of farmwomen	1	FW	1	Off									50
Training	Use of Four row paddy drum seeder in paddy for drudgery reduction of farmwomen	01	F & FW	01	OFF									30

FLD-24

Crop: Mushroom
Thrust Area: Women in Agriculture
Thematic Area: Mushroom cultivation
Season: Rabi 2020-21
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mushroom	200 beds	Demonstration of Blue Oyster mushroom var:Hyspizyous ulmarious **(CTMRT, OUAT, Bhubaneswar, 2014)**	Duration (days for fruiting) Wt of fruiting bodies(gm), No.of fruit body per bed, Length & breadth of fruit body												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of Blue Oyster mushroom var:Hyspizyous ulmarious	01	F & FW	01	OFF									50

FLD-25

Crop: Mushroom
Thrust Area: Women in Agriculture
Thematic Area: Mushroom cultivation
Season: Kharif 2020
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mushroom	200 beds	Production of paddy straw mushroom with loose straw **(KVK, OUAT,2016)**	Days to first flush, Size of fruiting body,												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of paddy straw mushroom with threshed straw	01	F & FW	01	OFF									50
Training	Paddy straw mushroom cultivation by using threshed straw by farm women	01	F & FW	01	OFF									30

FLD-26

Crop: Nutritional garden
Thrust Area: Women in Agriculture
Thematic Area: Nutritional security
Season: Kharif 2020 & Rabi 2020 **Farming Situation**: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Nutritional garden	10 units (size 20*10 m.)	A nutritional garden with trailis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level **Source:** **1-CIWA BBSR** **2-IIHR Bangalore** **3-AINP on Soil fertility & biodiversity-OUAT 2010**	Consumption of vegetables /day Availability of vegetable/ day												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of nutritional garden for Improving Nutritional Security of farm family	01	F & FW	01	OFF									50
Training	Planning, layout & designing of nutritional gardening	01	F & FW	01	OFF									30

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

4. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From 2020 to 2021	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Pooja	Kharif 2020	4.0	Foundation	150	2,80,000/-	4,54,650/-	1,74,650/-
Paddy	Gayatri	Kharif 2020	3.0	Foundation	110	2,10,000/-	3,63,720/-	1,53,720/-
Green gram	IPM 02-14	Summer 2021	2.0	Foundation	8	50,000/-	80,000/-	30,000/-
Papaya seedling	Red lady	Rabi 2020-21	1000 Nos.	Seedling	1000 Nos.	10000/-	20000	10000
Drumstick seedling	Bhagya	Rabi 2020-21	2000 Nos.	Seedling	2000 Nos.	10000/-	20000	10000
Tomato seedling	Arka Rakshak	Rabi 2020-21	10000 Nos.	Seedling	10000 Nos.	5000/-	10000	5000
Brinjal seedling	Arka Anand	Rabi 2020-21	10000 Nos.	Seedling	10000 Nos.	5000/	10000	5000
Chili seedling	ArkaHarita	Rabi 2020-21	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Cauliflower seedling	Arka Vimal	Rabi 2020-21	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Cabbage seedlings	Konark	Rabi 2020-21	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Poultry day old chicks	Rainbow Rooster	Rabi 2020-21	3000Nos.	Bird	3000Nos.	1,50,000/-	1,80,000/-	30,000/-
Duckling	Khaki Campbell	Rabi 2020-21	200Nos.	Bird	200Nos.	10,000/-	12,500/-	2,500/-
Vermi compost	*Eusinea foitida*	Kharif-2020 & Rabi 2020-21	1.5t	Vermicompost	1.5t	10,000/-	22,500/-	12,500/-
Mushroom spawn	*V. volvacea* *P. sajorcaju*	Kharif 2020 Rabi 2020-21	500	Mushroom spawn	500	7,500/-	10,000/-	2,500/-
Paddy straw mushroom	*V. volvacea*	Kharif 2020	1 q	Paddy straw mushroom	1 q	8,000/	10,000/-	2,000/-
Oyster mushroom	*P. sajorcaju*	Rabi 2020-21	1 q	Oyster mushroom	2 q	4,000/-	12,000/-	8,000/-

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

5. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	25										750
2.	KisanMela	03										600
3.	KisanGhosthi	2										30
4.	Exhibition	5										Mass
5.	Film Show	20										600
6.	Method Demonstrations	30										900
7.	Farmers Seminar	5										200
8.	Workshop	5										mass
9.	Group meetings	50										1000
10.	Lectures delivered as resource persons	15										450
11.	Advisory Services	48										mass
12.	Scientific visit to farmers field	150										4500
13.	Farmers visit to KVK	1500										1500
14.	Diagnostic visits	50										1000
15.	Exposure visits	10										200
16.	Ex-trainees Sammelan	2										40
17.	Soil health Camp	3										150
18.	Animal Health Camp	3										150
19.	Agri mobile clinic	0										0
20.	Soil test campaigns	5										250
21.	Farm Science Club Conveners meet	2										40
22.	Self Help Group Conveners meetings	3										60
23.	MahilaMandals Conveners meetings	3										60
24.	Celebration of important days (Soil day. Farmers Day, Agrl. Education Day, Jay kisan joy vigyan, mahila divas, World food day, World meteorological day, *Partheniunm* awareness week, Technological week celebration)	10										500
25.	Sankalp Se Siddhi	1										100
26.	Swatchta Hi Sewa	10										500
27.	MahilaKisanDiwas	1										50
28.	Any Other ()	-										-
	Total	1961										13630

6. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
3,31,598.81	8,00,000.00	11,00,000.00

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
District Agro-met Unit	ICAR	4,80,000.00
ICAR-CIMMYT	ICAR	1,60,000.00

8. On-farm trials to be conducted*

OFT-1

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of submergence tolerant rice variety
iii. **Thematic Area:** Varietal assessment
iv. **Problem diagnosed:** Lower yield due to less tolerant of local varieties to water logging
v. **Important Cause:** Non availability of submergence tolerant rice varieties
vi. **Production system:** Rice- Greengram/Black gram/Vegetables
vii. **Micro farming system:** Rainfed-Lowland
viii. **Technology for Testing: Introduction of submergence tolerant rice varieties**
ix. **Existing Practice:** Cultivation of Swarna variety
x. **Hypothesis:** Cultivation of submergence tolerant rice varieties like Swarna Sub 1 & CR 1009 sub1 helps the farmers to overcome plant mortality & low yield problems due to water logging
xi. **Objective(s):**To evaluate suitable submergence tolerant rice varieties
xii. **Treatments:**
Farmers Practice (FP): Cultivation of Swarna
Technology option-I (TO-I): Cultivation of submergence tolerant, Swarna Sub 1
Technology option-II (TO-II): Cultivation of submergence tolerant, CR 1009 sub 1
xiii. **Critical Inputs:** Seed
xiv. **Unit Size:** 1 ha
xv. **No of Replications:** 7
xvi. **Unit Cost: Rs.** 800/-
xvii. **Total Cost: Rs.** 5600/-
xviii. **Monitoring Indicator:** Water submergence period, Effective panicles/m^2, No of Filled grains /Panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NRRI, Cuttack, Odisha,2014 & TNAU, Coimbatore 2015

OFT-2

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of herbicides for weed management in transplanted rice
iii. **Thematic Area:** Weed Management
iv. **Problem diagnosed:** Low yield
v. **Important Cause:** Low yield due to high weed infestation and high cost due to manual weeding
vi. **Production system:** Rice- Greengram
vii. **Micro farming system:** Rainfed-Medium land
viii. **Technology for Testing:** Introduction of some new herbicides
ix. **Existing Practice:** Hand weeding at 30 & 50 DAT
x. **Hypothesis:** Spraying of Herbicides like Bispyribac sodium / Almix 20 WP helps the farmers to reduce weed population bellow ETL & at the same time helps to increase the yield of Rice
xi. **Objective(s):** To evaluate suitable Rice herbicides
xii. **Treatments:**

Farmers Practice (FP): Hand weeding at 30 & 50 DAT
Technology option-I (TO-I): Post emergence application of Bispyribac Sodium 10 SC @ 25 ml/ha at 25 DAT
Technology option-II (TO-II): Early Post emergence application of Almix 20 WP (metsulfuron methyl 10% + chlorimuron ethyl 10% WP) @ 4 g/ha at 15 DAT

xiii. **No of Replications:** 7
xiv. **Unit Cost:** Rs. 800/-
xv. **Total Cost:** Rs. 5600/-
xvi. **Monitoring Indicator:** Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** RRTTS, Ranital, Odisha, 2015 & AICRP on Weed management, Odisha, 2015

OFT-3

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of Okra hybrids for resistance to YVMV.
iii. **Thematic Area:** Varietal evaluation
iv. **Problem diagnosed:** High infestation of YVMV.
v. **Important Cause:** Low yield due to high YVMV infestation.
vi. **Production system:** Vegetable- Vegetable.
vii. **Micro farming system:** Rainfed-Medium land.
viii. **Technology for Testing:** Evaluation of YVMV resistant hybrids of Okra.
ix. **Existing Practice:** Use of hybrids susceptible to YVMV.
x. **Hypothesis:** Use of YVMV resistant hybrids of Okra may help in increasing the yield.
xi. **Objective(s):** To evaluate suitable YVMV resistant hybrids of Okra.
xii. **Treatments:**

1. Farmers Practice (FP): Use of Okra hybrid Radhika susceptible to YVMV.
2. Technology option-I (TO-I): Use of Okra hybrid Arka Nikita resistant to YVMV.
3. Technology option-II (TO-II): Use of Okra hybrid Kashi Kranti resistant to YVMV.

xiii. **No of Replications:** 7
xiv. **Unit Cost:** Rs. 2000/-
xv. **Total Cost:** Rs. 14000/-
xvi. **Monitoring Indicator:** Plant height (cm), No. of branches per plant, Days to 50% flowering, pod length(cm),No. of pods per plant, yield/plant, Yield(q/ha).
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIHR, Bengaluru and IIVR, Varanasi.

OFT-4

i. **Season:** Rabi 2020-21
ii. **Title of the OFT:** Assessment of Micro-nutrient formulations in Bitter gourd.
iii. **Thematic Area:** Nutrient Management
iv. **Problem diagnosed:** Low yield due to small size.
v. **Important Cause:** Low yield due to small fruit size.
vi. **Production system:** Vegetable- Vegetable
vii. **Micro farming system:** Irrigated-Medium land
viii. **Technology for Testing:** Application of Micro-nutrient formulations in bitter gourd.
ix. **Existing Practice:** Use of NPK fertilizers only.
x. **Hypothesis:** Use of Micro-nutrient formulations in bitter gourd may increase the fruit size thereby increasing in yield.
xi. **Objective(s):** To evaluate the effect of Micro-nutrient formulations in bitter gourd.
xii. **Treatments:**

1. Farmers Practice (FP): Application of NPK fertilizers only.
2. Technology option-I (TO-I): Application of NPK fertilizers with soil application of Arka Vegetable Special
3. Technology option-II (TO-II): Application of NPK fertilizers with foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn.

xiii. **No of Replications:** 7
xiv. **Unit Cost:** Rs. 400/-
xv. **Total Cost:** Rs. 2800/-
xvi. **Monitoring Indicator:** Plant lenghth (cm), No. of leaves/plant, fruit length (cm), fruit wt.(g), Yield(q/ha).
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIHR, Bengaluru and AICRP in vegetable crops, OUAT, Bhubaneswar

OFT-5

i. **Season: Kharif 2020**
ii. **Title of the OFT:** Assessment of zinc deficiency in lowland rice
iii. **Thematic Area:** Nutrient management
iv. **Problem diagnosed:** Low yield
v. **Important Cause:** Micronutrient deficiency in soil (Zinc)
vi. **Production system:** Rice-rice, Rice-Greengram
vii. **Micro farming system:**Kharif/Clay loam soil/ Irrigated or Rainfed,
viii. **Technology for Testing:** Application of micronutrient zinc in lowland rice
ix. **Existing Practice:** No use of micronutrient (Zn)
x. **Hypothesis:** Application of zinc may control khaira disease and NUE
xi. **Objective(s):**To increase yield
xii. **Treatments:**

Farmers Practice (FP): No use of micronutrient (Zn)
Technology option-I (TO-I): Soil Test Based Recommendation (STBR) NPK+ Zn @ 5 kg ha^{-1}
Technology option-II (TO-II): STBR NPK + 5t FYM ha^{-1} + Zn @ 2.5 kg ha^{-1}

xiii. **No of Replications:** 7
xiv. **Unit Cost:** Rs.800/-
xv. **Total Cost:** Rs. 5600/-
xvi. **Monitoring Indicator:** Initial and after harvest soil test value, Root growth(cm), Plant height, No. of tillers m^2, No. of filled grain per panicle, 1000 grain weight (g)
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Micro-Secondary Nutrients and Pollutant Elements, OUAT, Bhubaneswar, Odisha, 2017

OFT-6

i. **Season:** Rabi, 2020-21
ii. **Title of the OFT:** Assessment of sulphur and boron for curd size, keeping quality and higher yield in cauliflower.
iii. **Thematic Area:** Nutrient Management
iv. **Problem diagnosed:** Low curd keeping quality, flavor and yield due to secondary and micro nutrient deficiency
v. **Important Cause:** Deficiency of sulphur and boron
vi. **Production system:** Rice–vegetable (cauliflower)
vii. **Micro farming system:** Rabi/Clay loam soil/ Irrigated
viii. **Technology for Testing: Application of** sulphur and boron for curd size and higher yield in cauliflower
ix. **Existing Practice:** No use of secondary nutrient (S) and Indiscriminate use of micronutrient (B)
x. **Hypothesis:** Application of sulphur and boron may increase the curd size , keeping quality and yield
xi. **Objective(s):**To increase curd size, keeping quality and yield
xii. **Treatments:**

Farmers Practice (FP): No use of secondary nutrient (S) and Indiscriminate use of micronutrient (B)
Technology option-I (TO-I): STBR (NPK) + Sulphur @ 30 kg ha^{-1} as basal application
Technology option-II (TO-II): STBR (NPK) + 1 kg Boron as basal application
Technology option-III (TO-III): STBR (NPK) + Sulphur @ 30 kg ha^{-1} + 1kg Boron as basal application

xiii. **No of Replications:** 5
xiv. **Unit Cost:** Rs. 1400/-
xv. **Total Cost:** Rs. 7000/-
xvi. **Monitoring Indicator:** Curd weight (g), plant spread (cm), keeping quality (Days), yield (q ha^{-1}) no. of days harvesting, soil test value (before sowing and after harvesting)
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Micro-Secondary Nutrients and Pollutant Elements, OUAT, Bhubaneswar, Odisha 2016

OFT-7

I. **Season:** Kharif 2020-21
II. **Title of the OFT:** Assessment of management practices against neck blast in rice
III. **Thematic Area:** IDM
IV. **Problem diagnosed:** Suitable chemical control measure is not available
V. **Important Cause:**
VI. **Production system:** Rice- Greengram
VII. **Micro farming system:** Irrigated Mediumland
VIII. **Technology for Testing:**
IX. **Existing Practice:** Application of Chloro +Cyper @2ml/lit after initiation of pest infestation
X. **Hypothesis:** application of following management practices may be effectively control the pest incidence.
XI. **Objective(s):**
XII. **Treatments:**

Farmers Practice (FP): Spraying of tricyclazole @ 500gm/ha
TO1-Seed treatment with either tricyclazole @ 3 gm/kg of seed or carboxin 37.5%+ thiram 37.5% @2.5 gm/kg and foliar spraying of either tricyclazole @ 300gm/ha or spraying of isoprothilane 40% EC @ 750 ml/ha twice at 15 days interval
TO-2 Seed treatment with carboxin 37.5%+ thiram 37.5% @2.5 gm/kg two sprays of Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75 WG) @ 200 g/ha at 15 days interval starting first spray at disease (leaf blast) appearance

XIII. **Critical Inputs:** Tricyclazole, carboxin 37.5%+ thiram 37.5, tricyclazole, isoprothilane 40% EC, Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75 WG)
XIV. **Unit Size:** 0.2ha
XV. **No of Replications:** 13
XVI. **Unit Cost:** Rs. 700/-
XVII. **Total Cost:** Rs. 9100/-
XVIII. **Monitoring Indicator:** No of infested leaves /plant
XIX. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** RRTTS, Mahisapat RRTTS, Ranital RRTTS, Bhubaneswar

OFT-8

i. **Season:** Rabi-2020-21
ii. **Title of the OFT:** Assessment of integrated pest management against serpentine leaf minor in tomato
iii. **Thematic Area:** IPM
iv. **Problem diagnosed:** serpentine leaf minor infestation in tomato
v. **Production system:** Rice-Vegetables
vi. **Micro farming system:** Irrigated Medium
vii. **Technology for Testing:**
viii. **Existing Practice:** Application of Chloro +Cyper @2ml/lit
ix. **Hypothesis: application of following management practices may be effectively control the pest incidence.**
x. **Objective(s):**
xi. **Treatments:**

Farmers Practice (FP): Application of Chloro +Cyper @2ml/lit after initiation of pest infestation
TO-I: Removal of alternate host, alternate spraying of Abamectin @1.4ml/lt & Cryomazine 50WP @ 2gm/ltr at 10 days interval

TO-II: Removal of alternate host, growing of seedlings in protected cultivation, alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ ltr of water & Spinosad 45 SC @ 1ml/ 3 ltr of water at 10 days interval

i. **Critical Inputs:** Abamectin, Cryomazine, Cartap hydrochloride 50 SP, Spinosad 45 SC
ii. **Unit Size:** 0.2ha
iii. **No of Replications:** 13
iv. **Unit Cost:** Rs. 450/-
v. **Total Cost:** Rs. 5800/-
vi. **Monitoring Indicator:** No of infested leaves /plant
vii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Annual report Kerla Agriculture Univ., 2015

OFT-9

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed formulations on growth of chicks in semi intensive system of rearing.
iii. **Thematic Area:** Livestock Production management
iv. **Problem diagnosed:** poor growth rate of growing chicks due to poor feed provisioning due to high cost of commercially available poultry feed
v. **Important Cause:** high cost of maize based feed
vi. **Production system:** Poultry farming
vii. **Micro farming system:** poultry semi intensive system of rearing
viii. **Technology for Testing: broken rice as a replacement for maize in poultry feed**
ix. **Existing Practice:** provision of commercially available of poultry starter to growing chicks or provioon of broken rice, cooked left over rice to chicks
x. **Hypothesis: chicks fed on of broken rice contating feed will have similar growth rate as compared to chicks fed on commercially available starter feed.**
xi. **Objective(s):1. To find out growth rate of chicks in growing stage (15-45 days) fed on low cost feed having different levels of broken rice as a substitute ingredient for maize.**
xii. **Treatments:**
Farmers Practice (FP): feeding of only broken rice during 35 days followed by free range feeding.
Technology option-I (TO-I): provisioning of feed with ground maize 35%, GNOC 23%, fish meal 10%, wheat bran 15%, **Broken rice 15%,** Di calcium phosphate 1%, vitaminins amino acids 1.6%, salt 0.4%.
Technology option-II (TO-II): provisioning of feed with ground maize 30 %, GNOC 23%, fish meal 10%, wheat bran 15%, **Broken rice 20%,** Di calcium phosphate 1%, vitamins amino acids 1.6%, salt 0.4%.
xiii. **Critical Inputs: 25 number of day old chicks, 850 grams of feed per unit, Vaccine, vitamin and antibiotics as per requirement.**
xiv. **Unit Size: 25 chick/farmer**
xv. **No of Replications: 20**
xvi. **Unit Cost: Rs 1425/-**
xvii. **Total Cost: Rs 28500/-**
xviii. **Monitoring Indicator: body weight at 15 days, 30 days, 45 days, mortallity rate. Feed cost/ chick/ 1 st month**
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR- CIWA 2016

OFT-10

i. **Season:** Rabi 2020-21
ii. **Title of the OFT:** Assessment of low concentrate mixtures on milk production in dairy cows.
iii. **Thematic Area:** Livestock Production management
iv. **Problem diagnosed: low milk production in cows.**
v. **Important Cause:** unbalanced feeding
vi. **Production system: dairy farming**
vii. **Micro farming system: small scale dairy farming.**
viii. **Technology for Testing: low cost feed formulation.**
ix. **Existing Practice:** feeding of straw+ wheat bran
x. **Hypothesis:** feeding of balanced concentrate ration will increase milk production in dairy cows.
xi. **Objective(s): to find out the effect of including oil cakes and mineral supplement in wheat bran based low cost feed formulations.**
xii. **Treatments:**
Farmers Practice (FP): feeding straw + 5-6 kg wheat bran (100%)
Technology option-I (TO-I): Straw + wheat bran (80%)+ GNOC (17%) + mineral mixture 2.5% + salt 0.5%
Technology option-II (TO-II): Straw + Wheat Bran (92%) + GNOC (5%)+ mineral mixture 2.5% + salt 0.5%
xiii. **Critical Inputs:** GNOC, Mineral Mixture.
xiv. **Unit Size:** 1 cow/house hold
xv. **No of Replications:** 20
xvi. **Unit Cost:** Rs 950/-
xvii. **Total Cost:** Rs 19000/-
xviii. **Monitoring Indicator:** average daily milk production in kg/day/cow, feed cost/day/animal, body score of cows before and after feeding.
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-IGFRI-2017

OFT-11

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of packaging practices of V.volvacea
iii. **Thematic Area:** Mushroom Cultivation
iv. **Problem diagnosed:** Distress sale and low income due to short shelf life
v. **Important Cause:** To increase keeping quality of mushroom
vi. **Production system:** Mushroom-Mushroom
vii. **Micro farming system:** Homestead
viii. **Technology for Testing:** packaging practices of V.volvacea
ix. **Existing Practice:** Unwashed fresh fruit bodies in bud stage in polythene bags
x. **Hypothesis**: Use of citric acid inactivates trace metals which reduce deterioration of colour and flavour and paper Bags package can potentially reduce respiration rate and decay which retain mushrooms fresh appearance up to 48 hrs
xi. Objective(s): Increase shelf life and keeping quality of mushroom
xii. **Treatments:**
Farmers Practice (FP): Unwashed fresh fruit bodies in bud stage in polythene bags
Technology option-I (TO-I):Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in perforated polypropylene bags punched with 10 holes stored at room temperature.
Technology option-II (TO-II): Fresh Mushrooms Buds treated with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min

and then packed in paper Bags punched with 10 holes (0.5 cm diameter) stored at room temperature

xiii. **Critical Inputs:** Chemical preservatives
xiv. **Unit Size:** 10 kg
xv. **No of Replications: 7**
xvi. **Unit Cost:** 500/-
xvii. **Total Cost:** 3500/-
xviii. **Monitoring Indicator:**Cost of input(Rs),Additional Income (Rs),B:C ratio,sensory evaluation,wt. loss(%),shelf life (Months)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** PAU,2010

OFT-12

i. **Season:** Kharif 2020
ii. **Title of the OFT:** Assessment of humidity/moisture management in paddy straw mushroom
iii. **Thematic Area:** Mushroom Cultivation
iv. **Problem diagnosed:** Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature
v. **Important Cause:** low yield due to low humidity
vi. **Production system:** mushroom-mushroom
vii. **Micro farming system:** Homestead
viii. **Technology for Testing:** Management of humidity/moisture management in paddy straw mushroom
ix. **Existing Practice:** Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
x. **Hypothesis:** Moist sand and moist gunny bags keeps required moisture and temperature in the surroundings leading to optimization of yield of mushroom when humidity is below 50 %
xi. **Objective(s):** Increase production of mushroom
xii. **Treatments:**
Farmers Practice (FP): Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
Technology option-I (TO-I): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition.
Technology option-II (TO-II): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
Critical Inputs:
xiii. **Unit Size:**10 beds
xiv. **No of Replications:** 7
xv. **Unit Cost:** 800/-
xvi. **Total Cost:**5600/-
xvii. **Monitoring Indicator:** Days to first flush, Size of fruit budding, Average fruit body wt. Pin head appearance (Days), Biological efficiency,
xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT-2014 (KVK- Bargarh)

*Repeat the same format for EACH OFT being proposed.

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)

1	District Agro-met Unit	4,80,000.00
2	ICAR-CIMMYT	1,60,000.00

11. No. of success stories proposed to be developed with their tentative titles

i. Capsicum cultivation– A boon for Farmers.

ii. Mushroom cultivation-A profitable enterprise for WSHGs.

iii. Green Manuring –A sustainable method for maintaining soil health.

iv. Composite Pisciculture- For self-employment.

v. Backyard poultry- An income generating activity for landless farm women.

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2020-2021
14.01.2020	5th December

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		

Soil Samples	500											
Water Samples	50											
Other (Please specify)	-											
Total	550											

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
Recc. Contingency	16,00,000	16,00,000
Travelling Allowance	1,10,000	1,00,000
Library	10,000	10,000
HRD	30,000	30,000
Swachhata Activities	30,000	30,000
CSISA Project	1,60,000	1,60,000
NADCP FOR FMD	15,000	
CFLD (Oilseed)	2,40,000	2,40,000
CFLD (Pulses)	90,000	90,000
Large Scale Tree Plantation	10,000	-
Training-cum-Awarness programme for Pump Technician	30,000	-
Skill Development Training Programme (Mushroom Grower)	1,80,000	1,80,000
Skill Development Training Programme (Vermicompost Producer)	1,80,000	1,80,000
Fertilizer Awareness Programme	50,000	-
TOTAL	**2735000**	2620000

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data